

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q80742

Shinichi NAGAOKA, et al.

Appln. No.: 10/812,052

Group Art Unit: Unknown

Confirmation No.: 1298

Examiner: Unknown

Filed: March 30, 2004

For: DESIGN METHOD OF A MOLD, PRODUCTION METHOD OF AN INJECTION  
MOLDING, PROGRAM AND INJECTION MOLDING DEVICE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Laid-Open Patent Publication No. 2003-355866 published December 10, 2002, to Daiwa Kasai Ind. Co., Ltd., with English Abstract.
2. Japanese Laid-Open Patent Publication No. 08-118420 published May 14, 1996, to Toyoda Gosei Co., Ltd., with English Abstract.
3. Japanese Laid-Open Patent Publication No. 2001-277308 published October 9, 2001, to Cannon, Inc., with English Abstract.
4. NAGAOKA et al., "Application of CAO Technique to Injection Molding Analysis", V-212, June 13, 2003, with English Abstract.

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5. NAGAOKA et al., "Application of CAO Technique to Injection Molding Analysis", C217, November 4, 2003, with English Abstract.
6. NAGAOKA et al., "New Method of Designing Runner System for Injection Mold Using CAO Technique", ANTEC 2004.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.


In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant states that Japanese Laid-Open Patent Publications Nos. 2003-355866, 08-118420, 2001-277308 are discussed within the specification beginning at page 1, line 21, and page 2, lines 6 and 14, respectively.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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Information Disclosure Statement

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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Date: December 6, 2004

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/812,052
Confirmation Number	1298
Filing Date	March 30, 2004
First Named Inventor	Shinichi NAGAOKA
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	Q80742

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2002-355866	A	12-10-2002	Daiwa Kasei Ind. Co., Ltd.	Abstract
		JP	08-118420	A	05-14-1996	Toyoda Gosei Co., Ltd.	Abstract
		JP	2001-277308	A	10-09-2001	Canon Inc.	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		NAGAOKA et al., "Application of CAO Technique to Injection Molding Analysis", V-212, June 13, 2003, with English Abstract	
		NAGAOKA et al., "Application of CAO Technique to Injection Molding Analysis", C217, November 4, 2003, with English Abstract	
		NAGAOKA et al., "New Method of Designing Runner System for Injection Mold Using CAO Technique", ANTEC 2004	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.